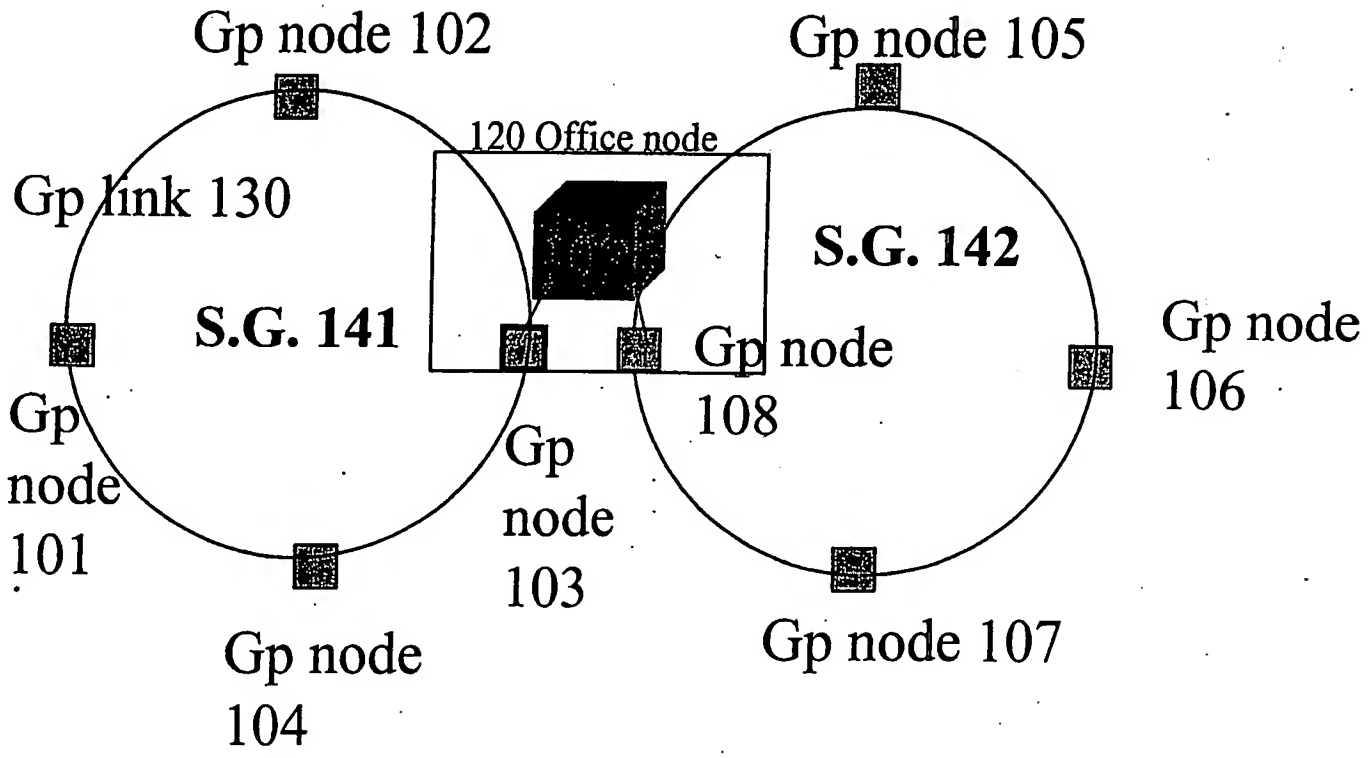
Gp node 102
Gp node 105
120 Office node
Gp link 130
S.G. 142
S.G. 141
Gp node 106
Gp node 108
Gp node 101
Gp node 103
Gp node 104
Gp node 107

FIG 1

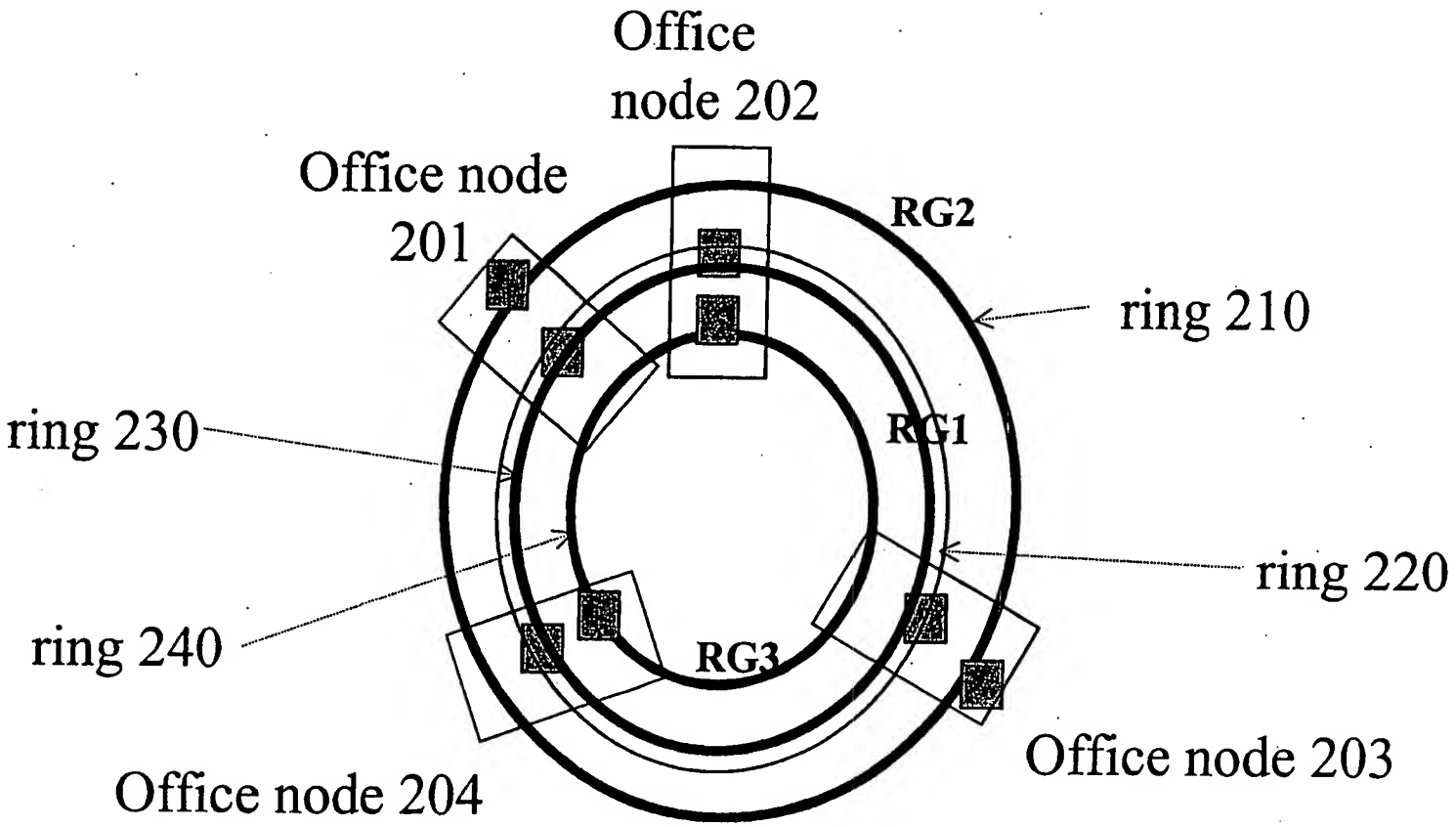
Office
node 202
Office node
201
RG2
ring 210
ring 230
RG1
ring 220
ring 240
RG3
Office node 204
Office node 203
Ring Family 200

FIG 2

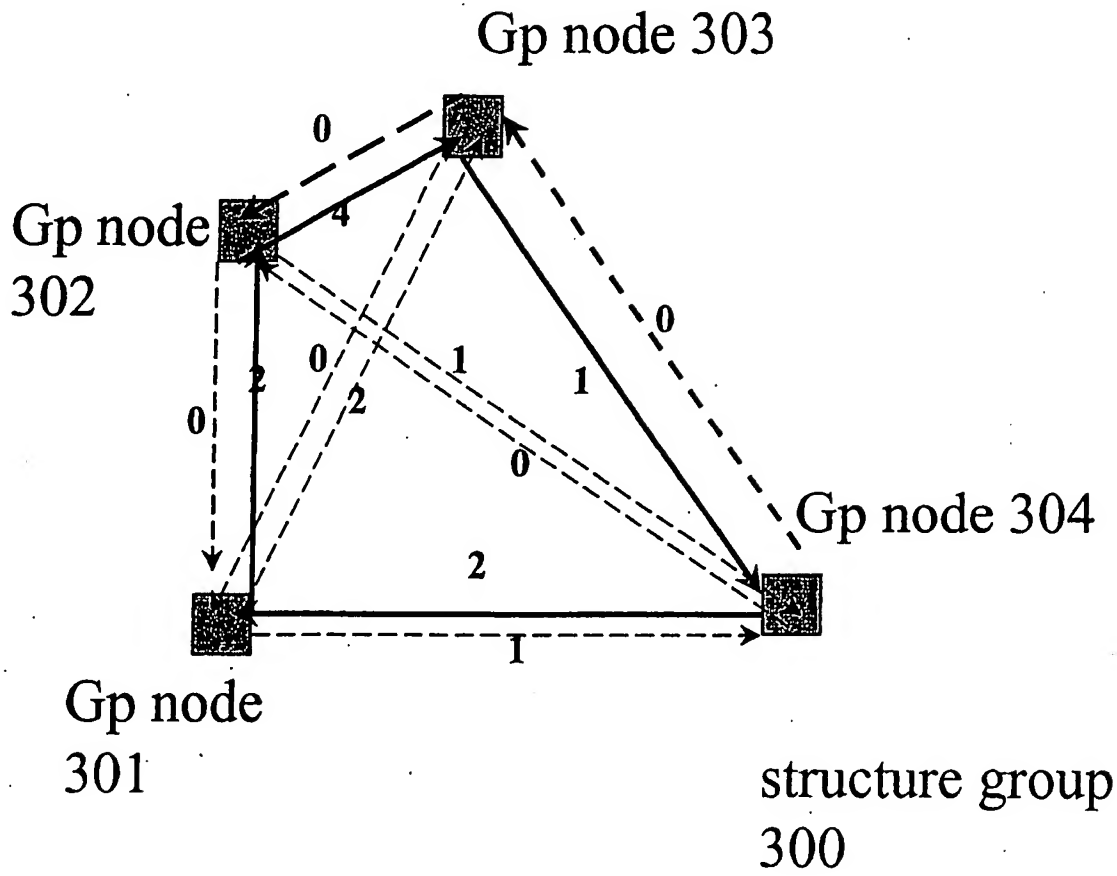
Gp node 303
Gp node 302
Gp node 304
Gp node 301
structure group 300
0
4
0
1
1
0
2
0
2
0
2
1

FIG 3

	edge(301-302)	edge(302-303)	edge(303-304)	edge(304-301)
slot 1-12	unused	unused	used	used
slot 13-24	unused	unused	unused	used
slot 25-36	used	unused	used	unused
slot 37-48	used	unused	used	unused

FIG 4

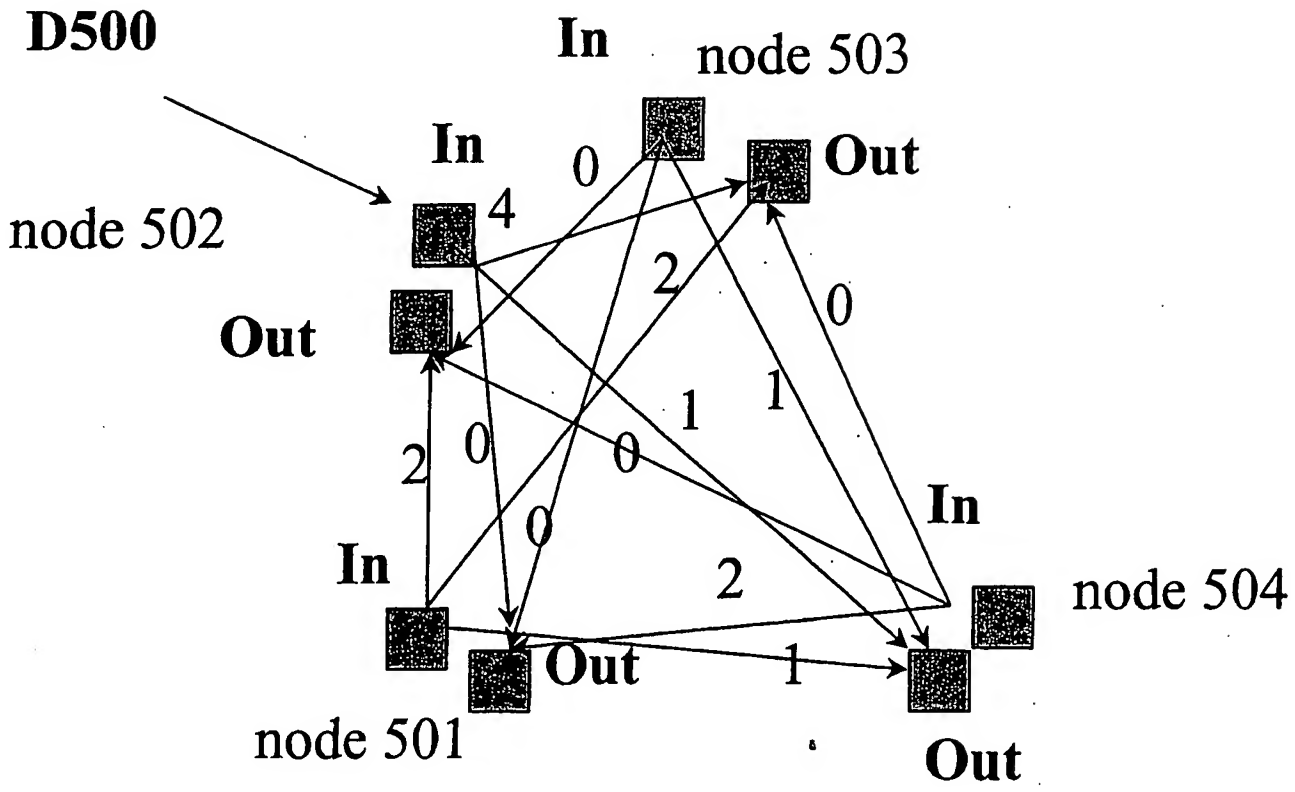

FIG 5

Structure Group 500

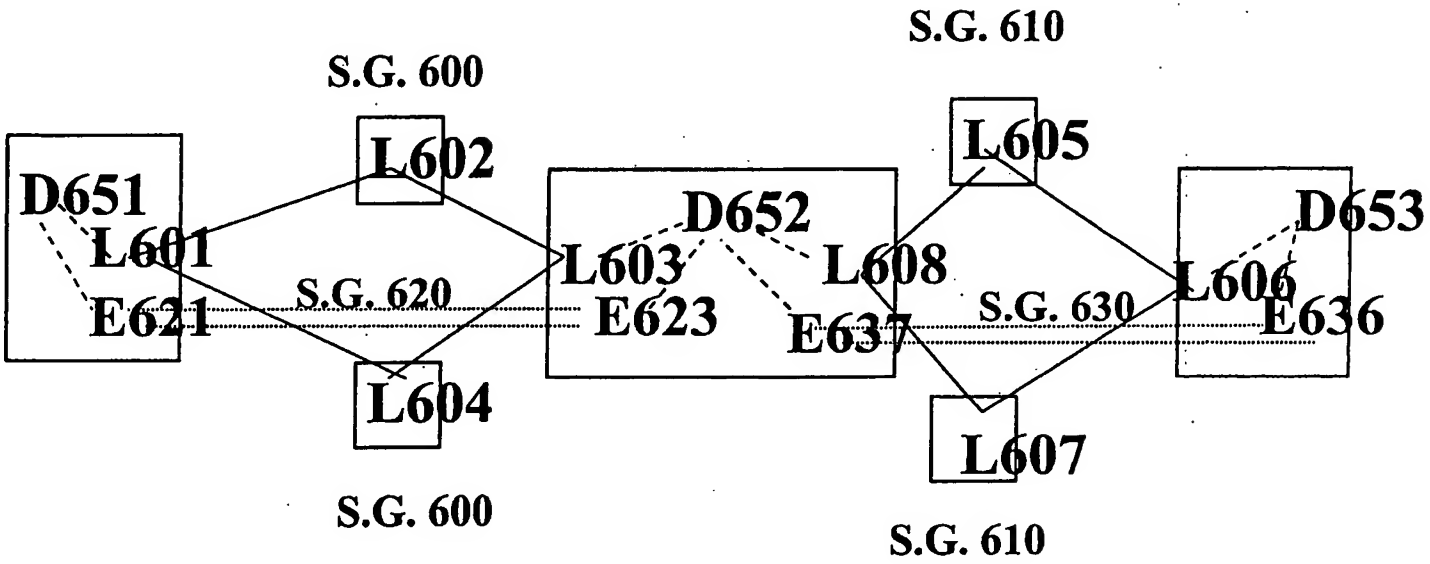
S.G. 610
S.G. 600
L602
L605
D651
D652
D653
L601
L603
L608
L606
S.G. 620
E621
E623
E637
S.G. 630
E636
L604
L607
S.G. 600
S.G. 610

FIG 6

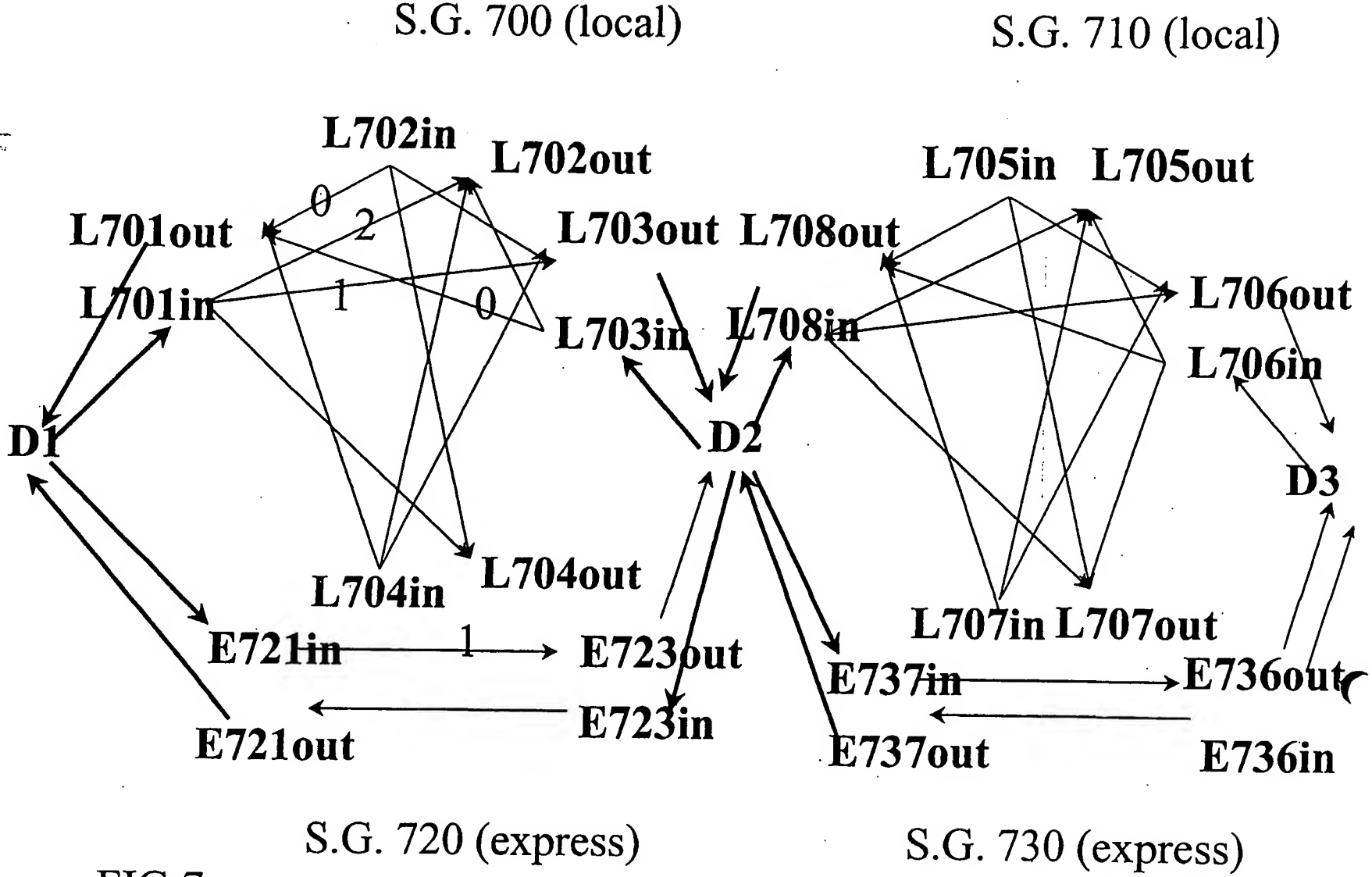
S.G. 700 (local)
S.G. 710 (local)
L702in
L702out
L705in
L705out
L701out
L703out
L708out
L706out
L701in
L703in
L708in
L706in
D1
D2
D3
L704in
L704out
L707in
L707out
E721in
E723out
E737in
E736out
E721out
E723in
E737out
E736in
0
2
1
0
1
S.G. 720 (express)
S.G. 730 (express)

FIG 7

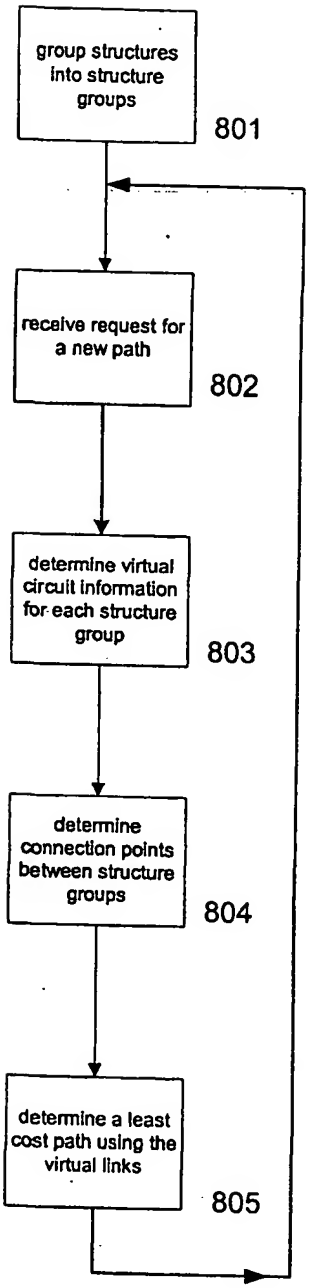
group structures into structure groups
801
receive request for a new path
802
determine virtual circuit information for each structure group
803
determine connection points between structure groups
804
determine a least cost path using the virtual links
805

FIG 8